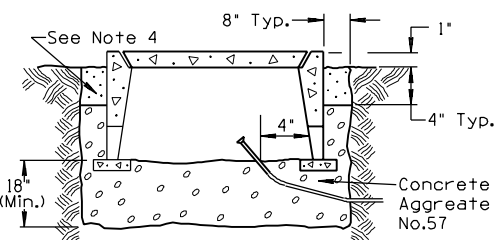
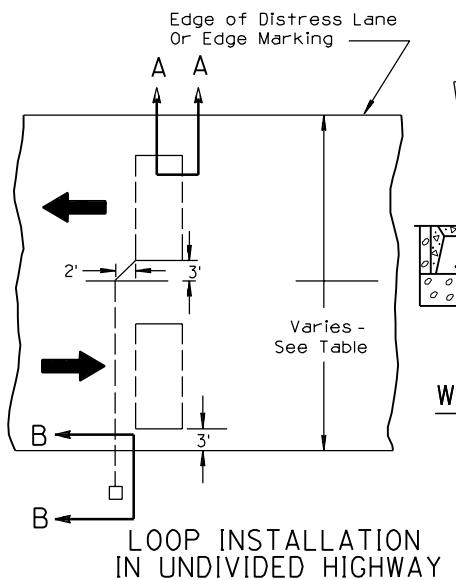
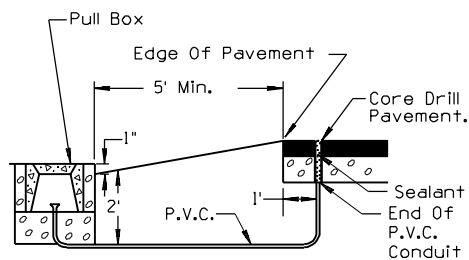


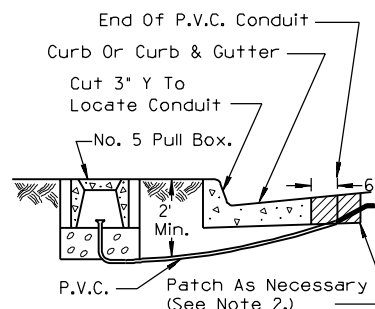
LOOP INSTALLATION IN
MULTI-LANE DIVIDED HIGHWAY



TYPICAL PULL BOX INSTALLATION



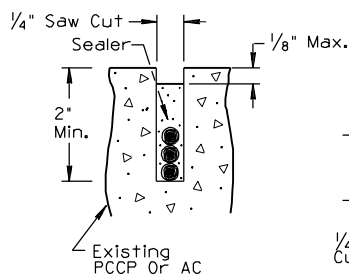
SECTION B-B
WITHOUT CURB & GUTTER



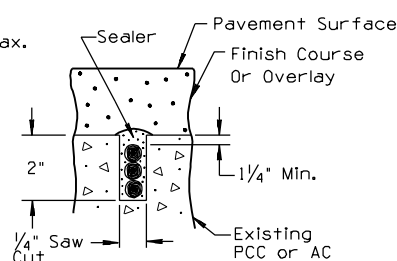
SECTION B-B
WITH CURB & GUTTER

NOTES:

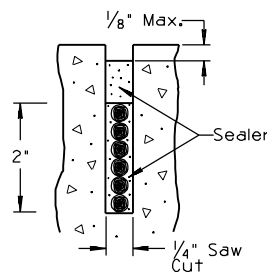
1. One detector loop shall be installed per lane and shall be located in the center of the lane.
2. Use same material (or approved equal) for patching existing pavement. Patch to at least 1/4" greater thickness than existing pavement.
3. 6' x 6' loops with 3 turns of sheathed, THHN stranded, 14 AWG, single conductor, copper wire are standard for all travel lanes up to 12 feet in width. For lanes wider than 12 feet adjust width of loop to allow for 3 feet from center stripe and lane edge marking while maintaining 6 foot depth of the loop.
4. Backfill with excavated material and thoroughly tamp.
5. Where pull boxes are installed in concrete areas, 1/2 inch felt shall be used as an expansion joint.
6. All excavated material not reused shall be properly disposed of.
7. Saw cuts shall be sealed with an approved sealer per specifications.
8. Saw cut sealant for detector loops in AC shall be the emulsified crack filler sealant per the Standard Specifications. The sand shall be pre-mixed by the manufacturer. Sealant for detector loops in PCCP shall be the Elastomeric Sealant per the Standard Specifications, or an approved two-part epoxy loop sealant.
9. Loops to be placed in travel lanes (roadway width less painted distress lane or edge marking = travel lanes).



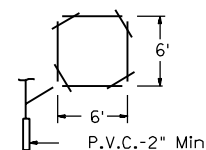
DETAIL 1



DETAIL 2



SECTION C-C



SAW CUT DETAIL

LOOP INSTALLATIONS SECTION A-A

| | | | |
|---------------------------|------------------|--|-------------------------|
| DESIGN APPROVED | SIGNATURE | ARIZONA DEPT. OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNALS & LIGHTING STANDARD DRAWINGS | REV. |
| APPROVED FOR DISTRIBUTION | | DETECTOR LOOPS FOR TRAFFIC COUNTERS | DRAWING NO. T.S. 7-2 |

ON FILE